

NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 22085/2112

022304

100-784363
USPTO

022304

11696

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. 10928104115US on this date, February 23, 2004, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Bethany Stokes

Name of Person Mailing Paper

Bethany Stokes

Signature of Person Mailing Paper

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Enclosed herewith is a new patent application of:

First Named Inventor (or application identifier): Timperman

Title of Invention: Apparatus and Method for On-Chip Concentration Using a Microfluidic Device with an Integrated Ultrafiltration Membrane Structure

Type: New
 Continuation of: _____
 Continuation-in-Part of: _____
 Divisional of: _____
 which is hereby incorporated by reference in its entirety into the application filed herewith;

and includes the following papers:

- Specification 79 pages (including specification, claims, abstract)/35 claims (4 independent)
- Declaration/Power of Attorney is:

| | | |
|--|--|--|
| <input type="checkbox"/> Executed | <input checked="" type="checkbox"/> Unexecuted | <input type="checkbox"/> Executed copy from Parent Application |
| <input type="checkbox"/> NOT included, but deferred under 37 C.F.R. § 1.53(f). | | |
- 19 Distinct sheets of Formal Informal Drawings
- Application Data Sheet
- Preliminary Amendment.
- Information Disclosure Statement

| | |
|------------------------------------|--|
| <input type="checkbox"/> Form 1449 | <input type="checkbox"/> A copy of each cited prior art reference (as necessary) |
|------------------------------------|--|
- Assignment with Recordation Cover Sheet.
- Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

| Country | Application Number | Date of Filing (day, month, year) |
|---------|--------------------|-----------------------------------|
| USA | 60/449,282 | February 21, 2004 |

- Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

| Application Number | Date of Filing (day, month, year) |
|--------------------|-----------------------------------|
| | |

- Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

| Application Number | Date of Filing (day, month, year) |
|--------------------|-----------------------------------|
| | |



11696
022304
U.S. PTO

Atty. Docket No.: 22085/2112

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Timperman
Serial No.: Not Yet Assigned
Filed: February 23, 2004
Entitled: Apparatus and Method for On-Chip
Concentration Using a Microfluidic Device
with an Integrated Ultrafiltration Membrane
Structure

CERTIFICATE OF MAILING UNDER 37 CFR 1.10

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, Express Mail Label No. EL928104115US on this date, February 23, 2004, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Bethany Stokes

Name of Person Mailing Paper

Bethany Stokes

Signature of Person Mailing Paper

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Enclosed for filing in the above-identified patent application, please find the following documents:

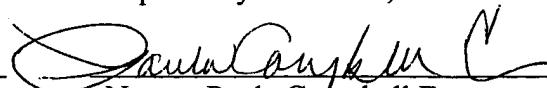
1. New Patent Application Transmittal;
2. Patent Application, (79 pages);
3. Nineteen (19) sheets of informal drawings of Figs 1A-13;
4. Application Data Sheet;
5. Unexecuted Declaration and Power of Attorney; and
6. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any fees to Deposit Account No. 16-0085, Reference 22085/2112. A duplicate of this transmittal letter is enclosed for this purpose.

Respectfully submitted,

Date: February 23, 2004



Name: Paula Campbell Evans
Registration No.: 32,503
Customer No.: 29932
Palmer & Dodge LLP
111 Huntington Avenue
Boston, MA 02199-7613
Tel: 617-239-0100

NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

Atty. Docket No.: 22085/2112

The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.

11. Priority document(s).
12. Microfiche Computer Program (Appendix).
13. Nucleotide and/or Amino Acid Sequence Submission.
 - Computer Readable Copy.
 - Paper Copy (identical to computer copy).
 - Statement verifying identity of above copies.
14. Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. Statement of Small Entity Status, Pursuant to 37 C.F.R. §1.27.
16. Calculation of Fees:

| FEES FOR | TOTAL CLAIMS | EXCESS CLAIMS | Fee | AMOUNT DUE |
|--|--------------|---------------|------------------|-----------------|
| Basic Filing Fee (37 C.F.R. § 1.16(a)) | | | | \$770.00 |
| Total Claims in Excess of 20 (37 C.F.R. § 1.16(c)) | 35 | 15 | \$18.00 | 270.00 |
| Independent Claims in Excess of 3 (37 C.F.R. § 1.16(b)) | 4 | 1 | \$86.00 | 86.00 |
| Multiple Dependent Claims (37 C.F.R. § 1.16(d)) | | No | \$290.00 | 0.00 |
| Subtotal - Filing Fee Due | | | | 1126.00 |
| Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28) | | | MULTIPLY BY 0.50 | 563.00 |
| TOTAL FILING FEE DUE | | | | 563.00 |
| Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h)) | 0 | | \$40.00 | 0.00 |
| GRAND TOTAL DUE | | | | \$563.00 |

17. PAYMENT is:
 - The Commissioner is hereby authorized to charge any fees to Deposit Account 16-0085, Ref. 22085/2112.
 - not included, but deferred under 37 C.F.R. § 1.53(f).

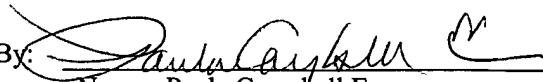
18. All correspondence for the attached application should be directed to:

Paula Campbell Evans
Customer Number 29932
111 Huntington Avenue
Boston, MA 02199-7613

19. Other: _____

Respectfully submitted,

Date: February 23, 2004

By: 
Name: Paula Campbell Evans
Registration No.: 32,503